

# 10/606,310

## EAST SEARCH NOTES (cont.)

Part (I) SEARCH STRATEGY

Part (II) SEARCH RESULTS

Part (II) Results Identified As Follows

- (1) PARTIALLY RELEVANT [potential Y or A] DOCUMENTS
- (2) HIGHLY RELEVANT [potential X, Y or A] DOCUMENTS
- (C) DOCUMENTS CITED BY EXAMINER ON FORM PTO-892
- (3) DOCUMENTS CITED BY APPLICANT ON FORM PTO-1449

[illegible]

(I)

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(12)

	Hits	Search Text	DBs
14	8	((first NEAR2 (group unit component)) AND (second NEAR2 (group unit component))) SAME distance SAME zooming) AND ((second NEAR2 (group unit component)) SAME ((positive near2 lens) AND (negative near2 lens)) SAME distance) AND (((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ lens) SAME ((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((second NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME ((third NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex))))	EPO; JPO; DERWENT
15	4	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ lens) SAME ((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((second NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME ((third NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) AND (aperture ADJ stop)	EPO; JPO; DERWENT
16	28	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ lens) SAME ((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((second NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME ((third NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME (stop aperture diaphragm)	EPO; JPO; DERWENT
17	18	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ lens) SAME ((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((second NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME ((third NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME (aperture stop)	EPO; JPO; DERWENT
18	4	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ lens) SAME ((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((second NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME ((third NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME (aperture ADJ stop)	EPO; JPO; DERWENT
19	12	("4733952" "4465343" "6191896" "6351337" "6243213" "6124987" "6172818" "5872660" "6081389" "5434710" "6493142" "6476977").PN.	USPAT; US-PGPUB
20	16	("5055868" "5274504" "5305148" "5218478" "5365376" "5574599" "5585971" "5587840" "5687027" "5815320" "5831772" "5844725" "6008953" "6219190" "6233099" "6327099").PN.	USPAT; US-PGPUB
21	35	ITOH-yoshinori.IN.	USPAT; US-PGPUB
22	13	23 AND 1	USPAT; US-PGPUB
23	169	(359/680).CCLS.	USPAT; US-PGPUB
24	117	(359/682).CCLS.	USPAT; US-PGPUB
25	367	(359/684).CCLS.	USPAT; US-PGPUB
26	111	(359/685).CCLS.	USPAT; US-PGPUB
27	455	(359/689).CCLS.	USPAT; US-PGPUB
28	35	((359/676).CCLS.) AND (((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ lens) SAME ((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((second NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME ((third NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex))))	USPAT; US-PGPUB
29	21	((359/691).CCLS.) AND (((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ lens) SAME ((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((second NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME ((third NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex))))	USPAT; US-PGPUB

(I)

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(2/2)

(H)

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	1	2	C	3	Document ID ▾	Title
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6704149 B2	Lens optical system
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6621642 B2	Taking lens device
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6614599 B1	Zoom lens system, and image pickup system using the same
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6532114 B1	Zoom lens system
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6493142 B1	Zoom lens and photographing apparatus having it
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6476977 B1	Zoom lens and optical apparatus
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6351337 B1	Three-group zoom lens
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6308011 B1	Zoom lens and photographic apparatus having the same
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6243213 B1	Zoom lens and camera having the zoom lens
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6219190 B1	Zoom lens
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6191896 B1	Zoom lens and optical apparatus having the same
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6172818 B1	Zoom lens system
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6124987 A	Zoom Lens
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6081389 A	Zoom lens of retrofocus type
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6008953 A	Zoom lens
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5872660 A	Taking lens system
17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5844725 A	Zoom lens
18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5831772 A	Compact zoom lens
19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5815320 A	Zoom lens
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5687027 A	Zoom lens for optical apparatus such as camera
21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5587840 A	Zoom lens
22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5585971 A	Small-sized variable magnification lens
23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5574599 A	Zoom lens and zooming method
24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5434710 A	Zoom lens system comprising three lens units
25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5365376 A	Zoom lens
26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5305148 A	Compact varifocal lens
27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5274504 A	Zoom lens
28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5218478 A	Small-sized zoom lens
29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5055868 A	Variable magnification finder of real image type
30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 4733952 A	Small zoom lens
31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 4465343 A	Zoom lens system
32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 20040051961 A1	Zoom lens system, and image pick-up apparatus incorporating such zoom lens system
33	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 20030058548 A1	Zoom lens and camera
34	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	JP 2003131132 A	ELECTRONIC IMAGING UNIT